

FIGURE 1

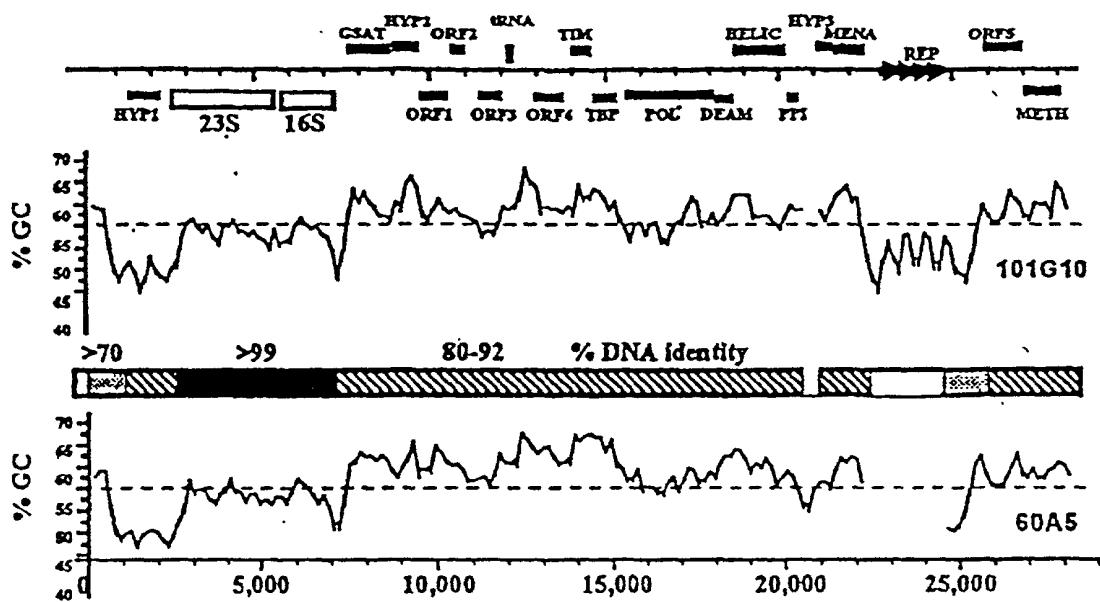


Figure 2

Eq. No.	Gene	Strain	TATA Box	Coding Start	TATA to Start (bp)
81	Hypoth 03	A	AAGCTAGACT TTTAAT TGGG ATCCGGCGGG CGGGCGCATG	-----	25
82		B	AAGCTAAACT TTTAAT TGGG ATCCGGCGAG CCGGCGCGTG	-----	
83	Hypoth 02	A	GGAAACTTTG ATTATA CGGG CGTGCTGCC CGGGGCCAT G-----	-----	26
84		B	GGAAACTTTG ATTATA CGGG CGTACATTCC CGGGGCCAT G-----	-----	
85	ORF 02	A	AAGGCAAGGT AATAAT AGCC TGCCGCTGT AACGGCCGTA TG-----	-----	27
86		B	ACGGCAAGGT AATAAT AGCC TGCCGTCGT ACCTGCCGTA TG-----	-----	
87	ORF 03	A	CATGGAACTA GATATT AACC GGTTCCGCGG ATCCCATGCA TG-----	-----	27
88		B	CATGGAACTA GATAAT AACC GGTCCCGCGG GTACAATGCA TG-----	-----	
89	PPI	A	ATACCGAGAA GTTATA GCAG GGTATGGAAT GTGCGCGGC ATG-----	-----	28
90		B	AGCACGACAA GTTATA GCAG GGTACAAAGG AGCAGCGCAC ATG-----	-----	
91	GSAT	A	ATCCGCCCTG ATTAAA TTAT GGGGGGAGCG GCCTGCTGCC GTG-----	-----	28
92		B	ATCCGGCCTC ATTAAA TTAC GGGGGGTACA ACCTGCTGCC GTG-----	-----	
93	ORF 05	A	CCTTCATACA CATAAA TCCC GCTTGATGT GCGGCTGCCG ATG-----	-----	28
94		B	ACTTCATACA CATAAA TCCC GCCTGAACGG TCGTCCGCCG ATG-----	-----	
95	deaminase	A	.GGCATATAC CATAAT ATGC CGGGCGGTGG CACCATGGCC GTG-----	-----	29
96		B	CCGCATATAC CATAAT ATGC CGGGCGGGGG CAGGCTGCC .GTG-----	-----	
97	RNA helic	A	TGTACGAAAC CATAAA ACAA CAGGCCGCGT CAGGGCCGCG CGTG-----	-----	29
98		B	GGGTAGAAAC CATAAA ACAA CAGGCCGCGG CAGGGCG.CG CGTG-----	-----	
99	ORF 06	A	..ACACGCAG TATAAA CGGG GGCCCCGGCG GCGCGTATCA CATG-----	-----	29
100		B	ATACACGTGG TATAAA CAGA GG.CCGGACG GCGCGGACCA CATG-----	-----	
101	tRNA-tyr	A	GCGATAGTTA TTTAAA ACTA GGATGCCGAT CACGGATCGT CCCA-----	-----	29
102		B	GCGATAGTTA TTTAAA ACTA GGATGCCGGG CACCCGTGCGT CCCA-----	-----	
103	TBP	A	CCGGGCCCG GTTAAA ATAG CG.CACGGGC GGATCCTGAC CAATG-----	-----	30
104		B	CCGGGCCCG GTTAAA ATAG AGTGCGGCCG GGCACCGGAT CAATG-----	-----	
105	TIM	A	GCGTCGATAG AATAAA TACG CGCAGGGGGC CCCGTGGCGC GATGCCCGT G-----	-----	36
106		B	GCGTCGATAG AATAAA TACG CGC.GGGGCC GCGGTGC... GATGCCCGT G-----	-----	
107	Hypoth 01	A	ATTTCAACTA CATAAA TGCC TAGTACGCA GAAATAGCAA ACGACGTACT TCGACTAATG	45	
108		B	ACTTCAACTA CATAAA TGCC TAGTACGCA GAAATATCAA ACAAAGTACT TCGACTAATG		
109	ORF 01	A	ACGGCAGGCT ATTATT ACCT TGCCTGCGT TGTA //..G CGGGGTGCCG CAGGGGATG	52	
110		B	ACGGCAGGCT ATTATT ACCT TGCCGTGTG. TACA //..G AGGGGGCTG CGGGGAGTG		
111	Methylase	A	CTACAACGAT TTTAAG TCGG CGCCGGGGCA GCCG.//..G ATGTGGGGCA GGCAACATG	104	
112		B	CTACAAAGAT TTTAAG ACGG CGCGGGTGCC GCGG.//..T GGCACGGGG CCTATCTTG		
113	16S RNA	A	TCGGCGATGG TTTATA TGCC CATGGACGGG CCGATCCGAT CGTACGTGAC GC.//..AAT	220	
114		B	CCGGCGATGG TTTATA TGCC CATGGACAAG GCGATCCGAT CGTACGTGAC GC.//..AAT		
	Archaeal promoter				
	consensus		YTTAWA		

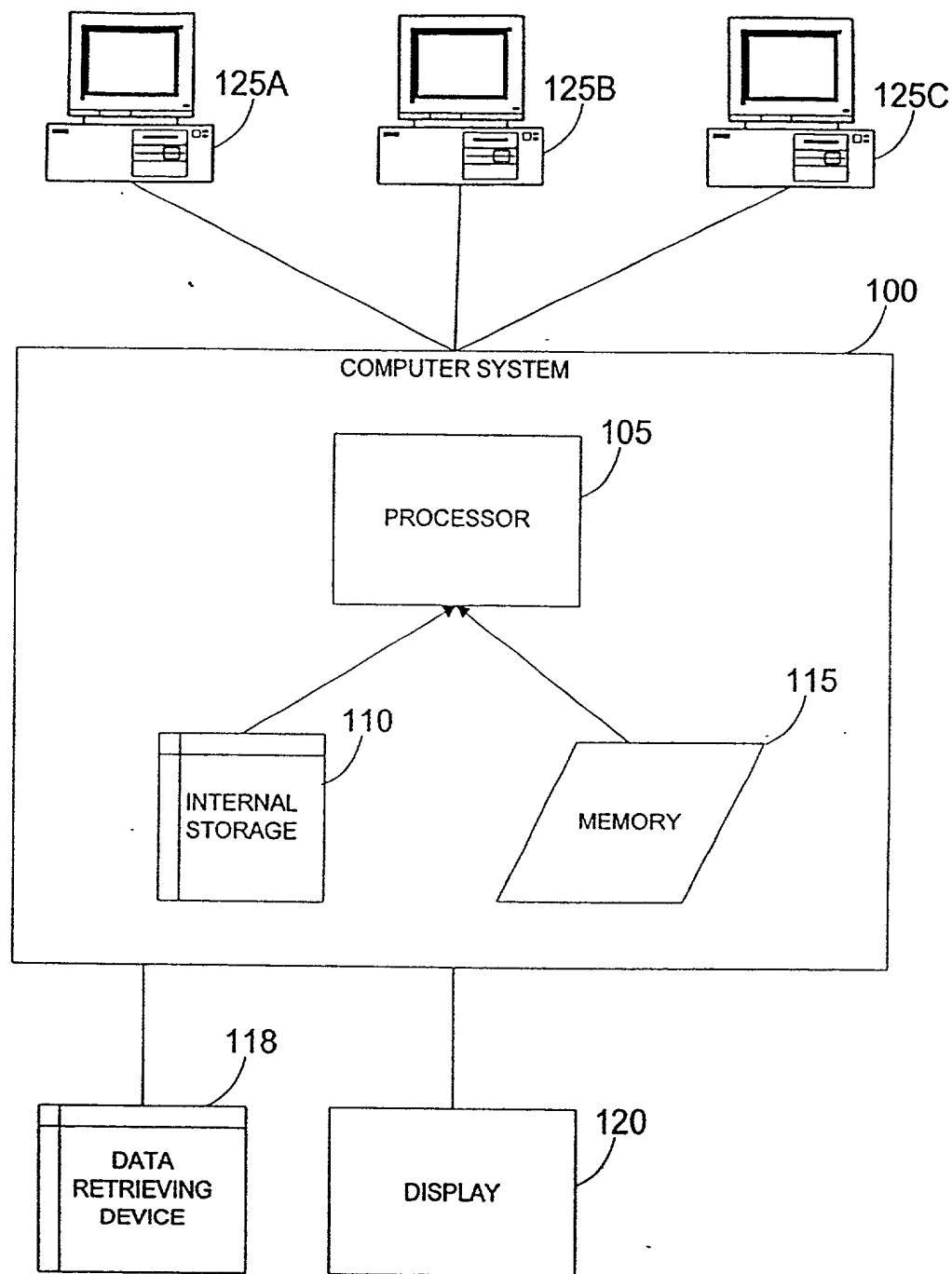


FIGURE 3

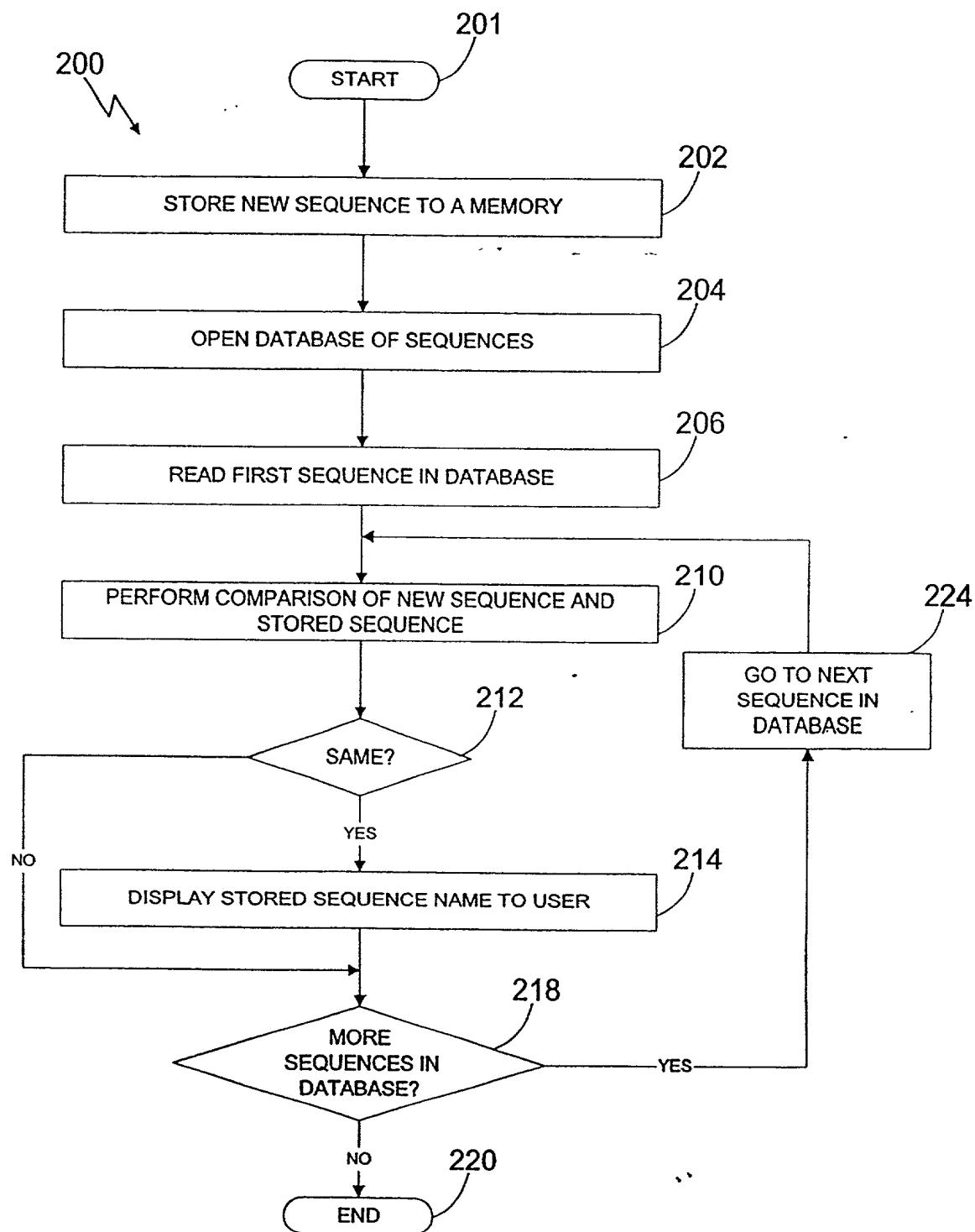


FIGURE 4

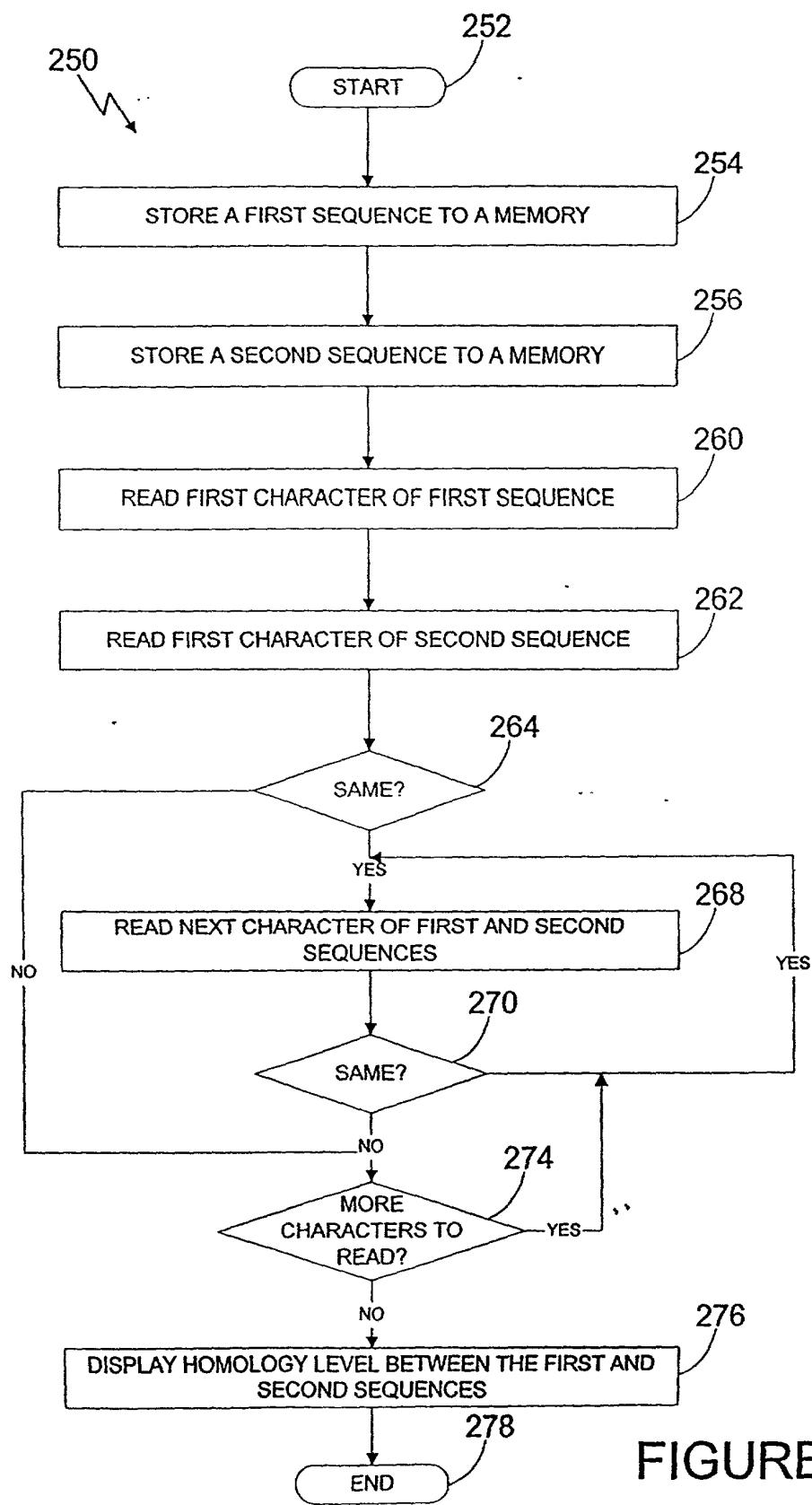


FIGURE 5

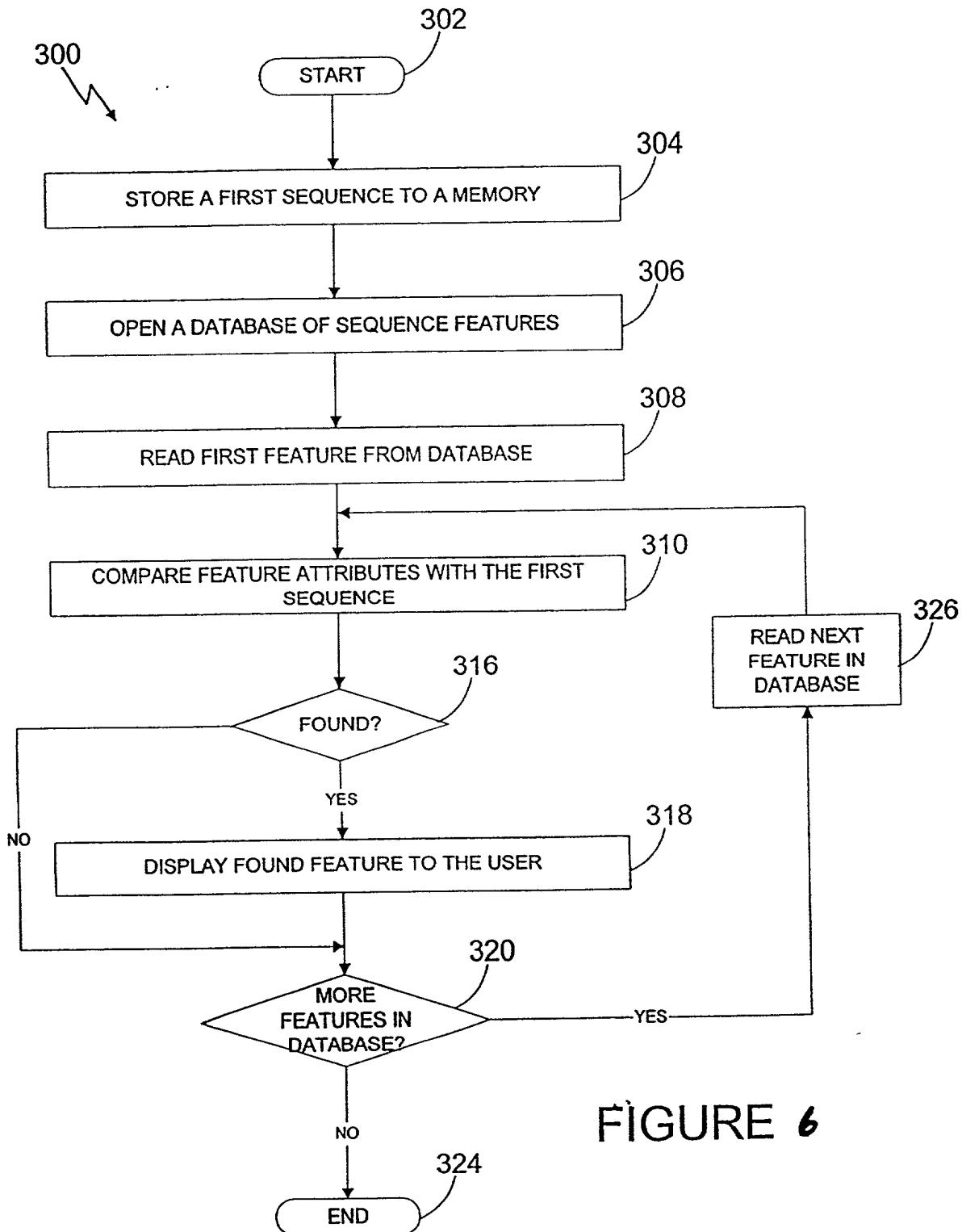


FIGURE 6